Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/05/2017 10:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124089	-1	1.56	123981	1.52
Blue	F	SSC	125000	123508	-2	2.98	123927	2.82
Blue	E	FITC	23795	23092	-3	2.63	1027	10.67
Blue	D	PE	29673	29188	-2	2.15	1049	10.16
Blue	B	PerCP-Cy5-5	48943	48401	-2	3.54	1389	17.77
Blue	A	PE-Cy7	44112	43037	-3	5.26	661	36.99
Red	C	APC	54273	53389	-2	2.71	3074	9.60
Red	A	APC-Cy7	54945	54172	-2	2.72	1125	11.26
Violet	B	V450	15756	14941	-6	3.82	715	8.96
Violet	A	V500	62569	61360	-2	3.57	2722	6.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19389	3.41	613	-1	N/A	N/A	Pass
Blue	F	SSC	61260	1.57	547	1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	550	0	0.0191	131	Pass
Blue	D	PE	230	30.85	548	2	0.1566	298	Pass
Blue	B	PerCP-Cy5-5	217	47.30	639	0	0.0091	95	Pass
Blue	A	PE-Cy7	71	126.30	694	-5	0.0110	18	Pass
Red	C	APC	362	27.74	600	0	0.0195	47	Pass
Red	A	APC-Cy7	122	40.95	578	-6	0.0055	1560	Pass
Violet	B	V450	87	42.80	471	-1	0.0467	2037	Pass
Violet	A	V500	198	22.91	500	1	0.0135	326	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.51	-31.10	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.26	13.27 - 19.91	N/A	N/A	31.23	31.64	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9842

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments